

Forecasting and Risk

(BANA 4090)

Welcome to Forecasting 101

Zhaohu(Jonathan) Fan

About me



- Ph.D. Candidate in Business Analytics.
- Applied statistician, business practitioner.
- Foodie and more.... 😊

About you

- What are you reading right now?
- What type of job do you hope to hire into after program?
- What industry do you hope to work within after the program?
- What is your experience with R programming?

What this course is about

- Thinking with Data
- Storytelling with Data

Objectives

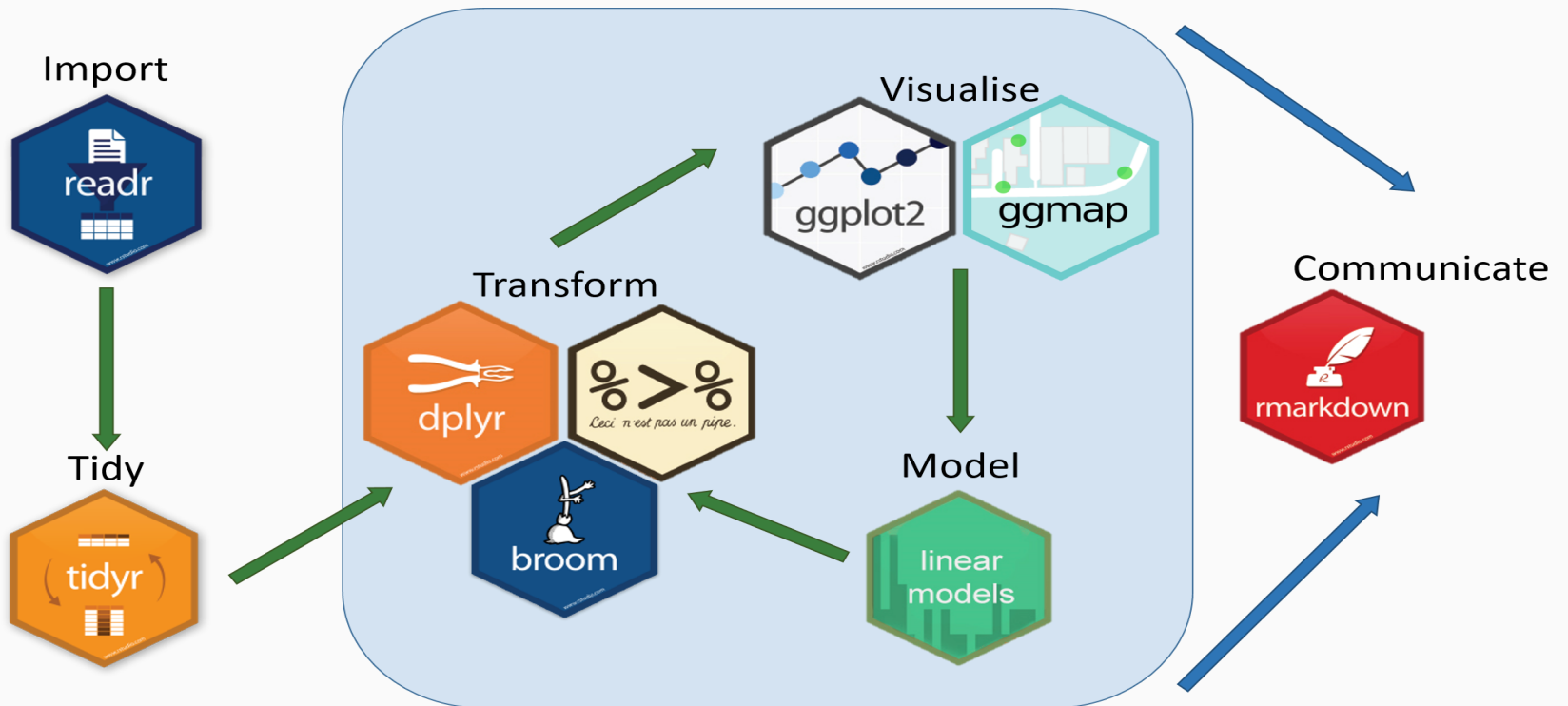
- Have fun – approach analytics with curiosity and collaboration
- Equip students with proper foundation to approach data analysis and data-driven projects
 - Framework for approaching analytics projects
 - Understanding of traditional and modern approaches to analytics
 - Exposure to common challenges within business and how to overcome
- Provide of project for portfolio
- Practice with R programming language as it relates to data

Teaching principles

- Focus on what you need to succeed in the workplace
- Learn through practice and discussion – Labs, consistent datasets as we learn
- Interesting problem – Real-world Project

Part 1: Introduction

Data science pipeline



- Tidyverse packages include all the packages required in the data science workflow, ranging from data exploration to data visualization.

R: Hello, world!

Output

```
## [1] "Hello World!"
```

```
## [1] 15
```

```
`
```

Code

```
print("Hello, world!")
```

```
x ← 10
```

```
y = 5
```

```
x+y
```

Questions? 😊